#### **DRAWINGS**

### FOR

#### **APPLICATION**

#### **FOR**

#### UNITED STATES LETTERS PATENT

TITLE:

ALLOCATING NETWORK BANDWIDTH

**APPLICANTS:** 

KENT D. BENSON, ROBERT B. MAGILL, TERRY J.

HRABIK and JOHN B. KENNEY

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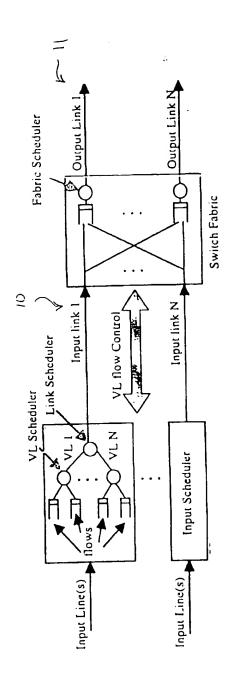
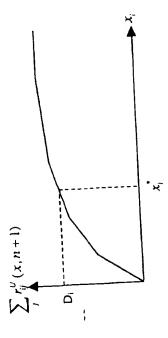


FIG. 1



**FIG. 2** 

T(n+1)T	Send 1	$i_{ij}$ [if $\pm 1$ ] $i_{ij}$ [if $\pm 1$ ] $i_{ij}$ [if $\pm 1$ ] o outputs at outputs	
	Calc	at output	
_	,	$t_{ij}$ [ $ii + ij$ ] to outputs	
	Calc $r_{ij}^{C}[n+1]$ , $r_{ij}^{U}[n+1]$ at input	Send $Q_n^c[n] \mid Calc \ r_{ij}^c[n+1]$	at output
nT 	Cale $r_{ij}^C[n+1]$	Send $Q_n^c[n]$	to outputs

## FIG. 3

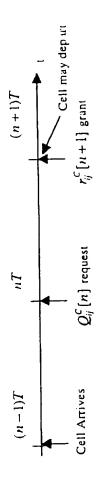
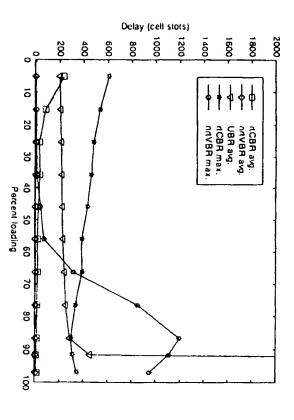
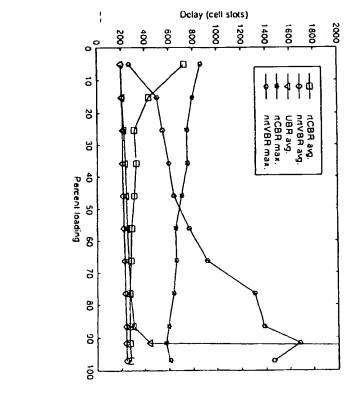


FIG. 4



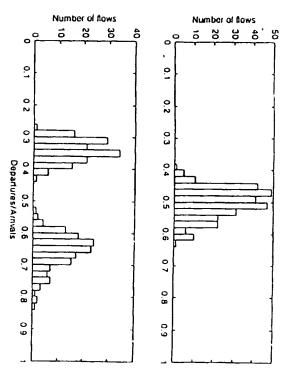




HG. 6



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CONTROL - PRESENT

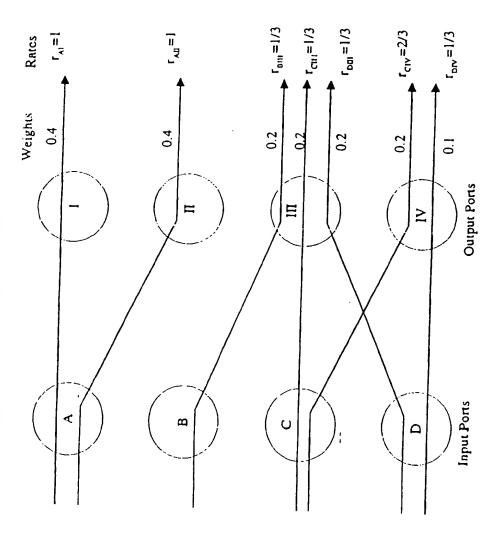


FIG. 8

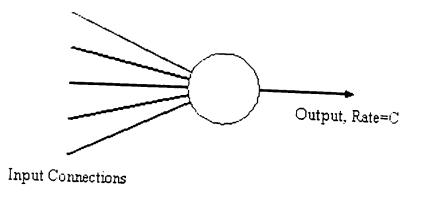
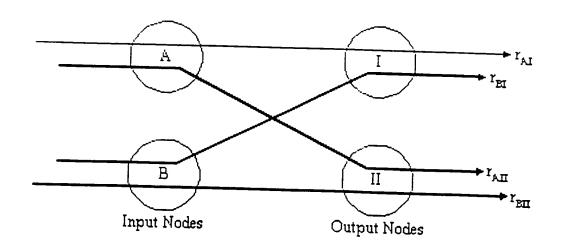


FIG. 9



**FIG. 10** 

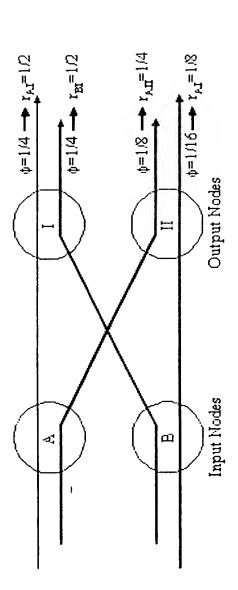
# DOALDAL TODALOGO

Node A: 
$$\sum_{A} r_{x} = r_{AI} + r_{AII} = 1/2 + 1/4 = 3/4$$
Node B: 
$$\sum_{B} r_{x} = r_{BI} + r_{BII} = 1/2 + 1/8 = 5/8$$
Node I: 
$$\sum_{I} r_{x} = r_{AI} + r_{BI} = 1/2 + 1/2 = 1$$
Node II: 
$$\sum_{II} r_{x} = r_{AII} + r_{BII} = 1/4 + 1/8 = 3/8.$$

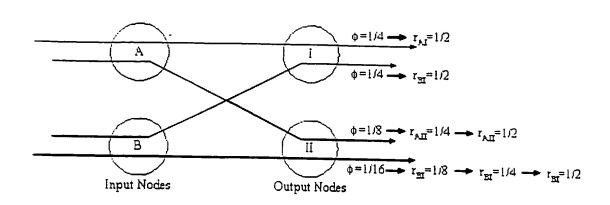
Node B: 
$$\sum_{B} r_x = r_{BI} + r_{BII} = 1/2 + 1/8 = 5/$$

Node I: 
$$\sum_{t} r_x = r_{At} + r_{Bt} = 1/2 + 1/2 = 1$$

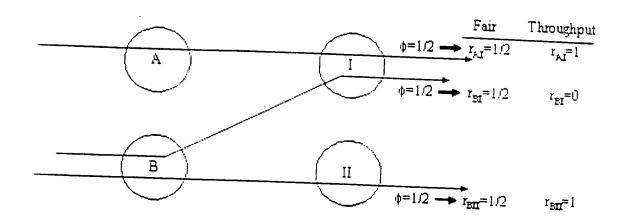
Node II: 
$$\sum_{n} r_x = r_{AII} + r_{BII} = 1/4 + 1/4$$



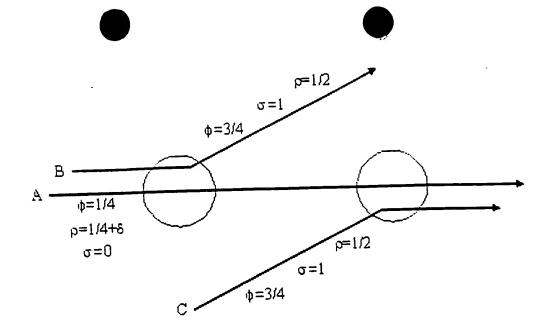
**FIG. 11** 



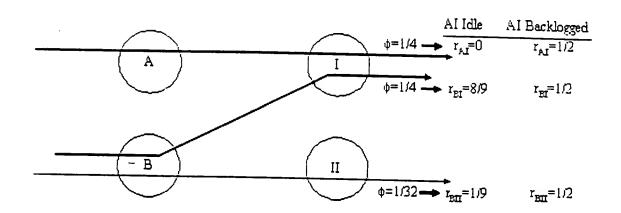
**FIG. 12** 



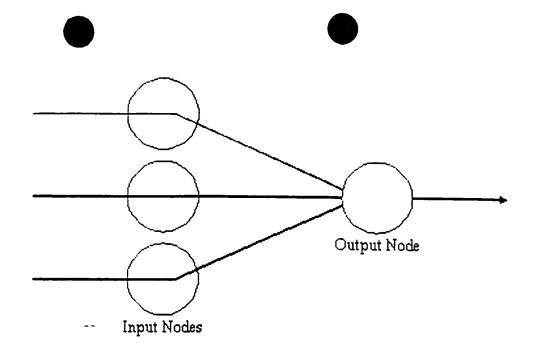
**FIG. 13** 



**FIG. 14** 



**FIG. 15** 



**FIG.** 16

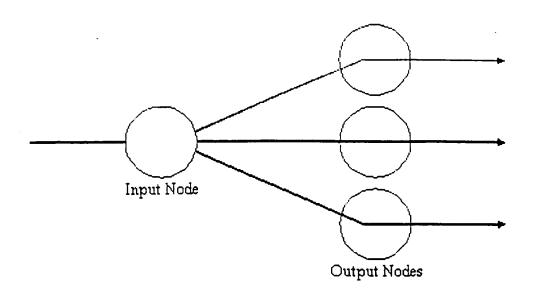
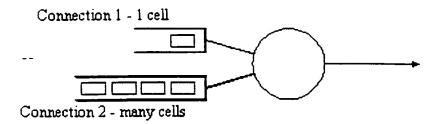
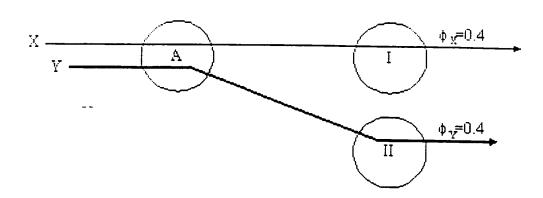


FIG. 17

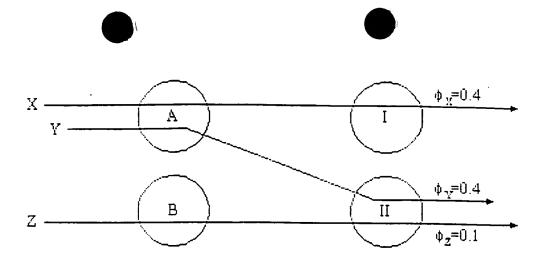


**FIG. 18** 



**FIG. 19** 

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**FIG. 20** 

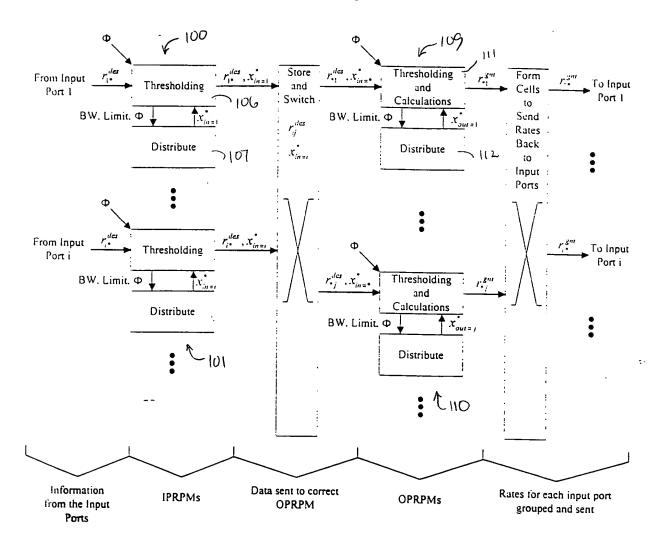
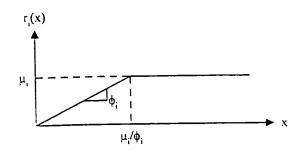
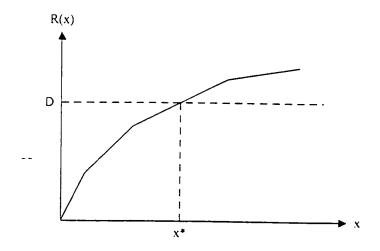


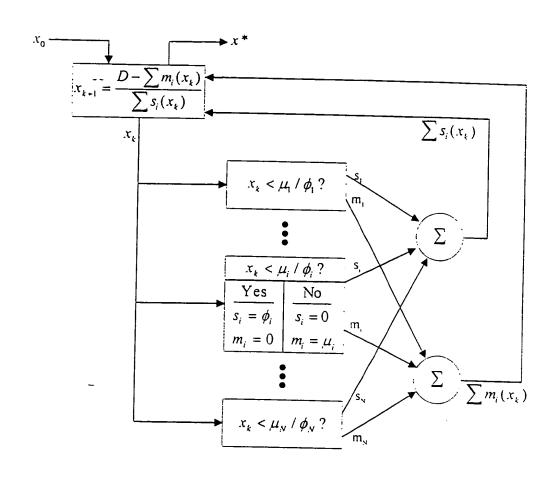
FIG. 21



**FIG. 22** 



**FIG. 23** 



**FIG. 24** 

